

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) Electroluminescent device comprising

two electrodes, ~~(2, 3, 5)~~ between which there is arranged at least one layer of electroluminescent organic semiconductor ~~(4, 4', 4'')~~,

a supporting substrate consisting of a metal or metallic alloy, and

an electric current source connected to the electrodes in an electrically conductive manner,

said substrate having two opposite surfaces comprising an electrically conductive surface which supports said device and a surface which is electrically insulated from the outside and ~~a substrate (2) supporting the said device, as well as an electric current source (1, 8) connected to the electrodes in an electrically conductive manner, characterized in that the substrate (2) consists of a metal or metallic alloy.~~

2. (Currently Amended) Device according to claim 1, characterized in that a first electrode ~~(2, 3)~~ is disposed

on a first side of the said at least one layer of
electroluminescent organic semiconductor ~~(4, 4', 4")~~, on a
first face thereof which faces the substrate ~~(2)~~, and in that
a second electrode ~~(5)~~ is disposed on a second side of said at
least one layer of electroluminescent organic semiconductor
~~(4, 4', 4")~~, on a second face thereof which is opposite the
substrate ~~(2)~~, this second electrode ~~(5)~~ allowing an at least
partial passage of the light.

3. (Previously Presented) Device according to one
of Claims 1 and 2, wherein the metallic alloy is a steel.

4. (Currently Amended) Device according to Claim
1, wherein the substrate (2) is connected to the current
source ~~(1, 8)~~.

5. (Currently Amended) Device according to Claim
4, wherein the substrate ~~(2)~~ forms one of the said two
electrodes.

6. (Currently Amended) Device according to Claim
4, wherein the substrate ~~(2)~~ is in electrically conductive
contact with one of the said two electrodes ~~(3)~~ and forms a
current feed for it.

7. (Currently Amended) Device according to claim
1, wherein the substrate ~~(2)~~ supports one of the said two

electrodes ~~(3)~~, which is connected to the current source ~~(1, 8)~~.

8. (Currently Amended) Device according to claim 1, wherein the substrate ~~(2)~~ is formed by a steel sheet which has undergone a surface treatment.

9. (Currently Amended) Device according to Claim 8, wherein the substrate ~~(2)~~ which has undergone a surface treatment has superficially in the steel sheet a compound which is a conductor of electricity ~~(10)~~.

10. (Currently Amended) Device according to Claim 8, wherein the steel sheet has a surface coating which is a conductor of electricity ~~(3, 9, 12)~~.

11. (Currently Amended) Device according to Claim 10, wherein the surface coating comprises at least one layer of a material ~~chosen~~ selected from ~~amongst~~ the group consisting of zinc, zinc alloyed with aluminium, aluminium, magnesium, calcium, tin and chromium.

12. (Previously Presented) Device according to Claim 10, wherein the surface coating consists of at least one layer of at least one conductive polymer.

13. (Currently Amended) Device according to Claim 12, wherein the said at least one conductive polymer is ~~chosen~~

selected from ~~amongst~~ the group consisting of polyacetylene, polyaniline, polypyrrole, polythiophene, derivatives thereof and mixtures thereof.

14. (Currently Amended) Device according to claim 8, wherein the substrate ~~(2)~~ is made from steel treated so as to reflect a light emitted from the said at least one layer of organic electroluminescent semiconductor ~~(4, 4', 4")~~.

15. (Currently Amended) Device according to claim 2, wherein the second electrode ~~(5)~~ has, opposite the substrate ~~(2)~~, an encapsulation ~~(6)~~ made from a transparent material impervious to air and water.

{Claim 16 (Cancelled)}

17. (Currently Amended) ~~Device according to claim~~
± Electroluminescent device comprising two electrodes between
which there is arranged at least one layer of
electroluminescent organic semiconductor, and a substrate
supporting the said device, as well as an electric current
source connected to the electrodes in an electrically
conductive manner, characterized in that the substrate
consists of a metal or metallic alloy,

wherein the substrate has a first surface on which it supports the said device and a second surface, opposite to

~~the said first surface~~, on which it supports an additional
~~said electroluminescent device according to Claim 1.~~

18. (Currently Amended) Method of manufacturing an
electroluminescent device according to claim 1, comprising:

~~— an arrangement of at least one layer of~~
~~electroluminescent organic semiconductor between two~~
~~electrodes,~~

~~— a support for the device by means of a substrate,~~
and

~~— a connection of the electrodes to an electric~~
~~current source,~~

~~characterised in that it comprises~~

- an arrangement of a first electrode on a first
surface of a substrate consisting of a metal or metallic
alloy,

- a deposition of ~~said~~ at least one layer of
electroluminescent organic semiconductor on the first
electrode, and

- a deposition of a second electrode allowing ~~an~~ at
least partial passage of ~~the~~ light on the said at least one
layer of organic semiconductor, and

an electrical insulation of a second surface of said
substrate.

19. (Previously Presented) Method according to Claim 18, wherein the substrate consists of a steel sheet.

20. (Currently Amended) Method according to one of Claims 18 and 19, wherein said arrangement of a first electrode comprises an activation of the steel sheet to make it able to ~~fulfil~~ fulfill a role of first electrode, the method comprises an electrical connection between the electrical current source and the steel sheet.

21. (Currently Amended) Method according to ~~one of Claims 18 and 19~~ claim 18, wherein said arrangement of a first electrode comprises an application of the first electrode to said first a surface of the substrate.

22. (Currently Amended) Method according to claim 18, comprising as a first of all operation, a surface treatment of the substrate.

23. (Previously Presented) Method according to Claim 22, comprising, by way of surface treatment, a surface coating of the substrate by at least one electrically conductive compound.

24. (Previously Presented) Method according to Claim 22, comprising, by way of surface treatment, an enrichment of

the substrate, at least on the surface, with an electrically conductive compound.

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25. (Original) Method according to claim 18, further comprising a deposition of a transparent material impervious to air and water on the second electrode, so as to encapsulate the device.

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26. (New) Electroluminescent device comprising:

- a supporting substrate consisting of a metal or metallic alloy and having two opposite surfaces,
- on each said surface of the supporting substrate, supported electrodes, between which is arranged at least one layer of electroluminescent organic semi-conductor, and
- an electric current source connected to the electrodes in an electrically conductive manner.

27. (New) Electroluminescent device according to claim 26, wherein the substrate is one of the electrodes for each said at least one layer of electroluminescent organic semi-conductor.

28. (New) Device according to claim 26, wherein a first electrode is disposed on a first side of the said at least one layer of electroluminescent organic semiconductor, on a first face thereof which faces the substrate, and in that

a second electrode is disposed on a second side of said at least one layer of electroluminescent organic semiconductor, on a second face thereof which is opposite the substrate, this second electrode allowing an at least partial passage of light.

29. (New) Device according to claim 26, wherein the metallic alloy is steel.

30. (New) Device according to claim 26, wherein the substrate (2) is connected to the current source.

31. (New) Device according to Claim 30, wherein the substrate forms one of said two electrodes.

32. (New) Device according to Claim 30, wherein the substrate is in electrically conductive contact with one of said two electrodes and provides a current feed thereto.

33. (New) Device according to claim 26, wherein the substrate supports one of the said two electrodes, which is connected to the current source.

34. (New) Device according to claim 26, wherein the substrate is formed by a surface treated steel sheet.

35. (New) Device according to Claim 34, wherein the steel sheet has a surface coating which is a conductor of electricity.

36. (New) Device according to Claim 35, wherein said surface coating comprises at least one layer of a material selected from the group consisting of zinc, zinc alloyed with aluminium, aluminium, magnesium, calcium, tin and chromium.

37. (New) Device according to Claim 35, wherein the surface coating consists of at least one layer of at least one conductive polymer.

38. (New) Device according to Claim 37, wherein said at least one conductive polymer is selected from the group consisting of polyacetylene, polyaniline, polypyrrole, polythiophene, derivatives thereof and mixtures thereof.

39. (New) Device according to claim 34, wherein the substrate is made from steel treated so as to reflect light emitted from said at least one layer of organic electroluminescent semiconductor.

40. (New) Device according to claim 28, wherein the second electrode has, opposite the substrate, an

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cont'd*
encapsulation made from a transparent material impervious to
air and water.
